



SPRAYING THE FRUIT TREES

Fifty Years Ago the Operation Was Unknown and Unnecessary—Now It Is Necessary.

Fifty years ago the spraying of fruit trees was unknown and unnecessary, but now no one who aims at success can overlook such work. This is brought to mind by bulletin (No. 230), recently issued by the New Jersey experiment station, which contains valuable instructions on the subject. It has to do mainly with peach scab, and brown rot, and gives full directions for the control of both, with ten or twelve good illustrations.



Home Spraying Outfit.

more prevalent in the southern portions of the state; north of 41 degrees there is little or nothing to fear from them. But wherever there is danger this bulletin will be of great use. It can, no doubt, be obtained by addressing the Experiment Station, New Brunswick, N. J.

It is observed that there is no mention of leaf-cut, which is often troublesome to peach trees; no doubt because this is treated in another bulletin.

An excellent spraying outfit is shown in the illustration. The pump is mounted in the barrel and is hauled about the orchard on a stone boat. It will be noted that there is a long lead of hose and an extension rod. A nozzle of the large circular type will produce spray of large volume and of a misty character.

HANDY DEVICE FOR ORCHARD

Canvas Net Is So Arranged Under Tree That Fruit Rolls to Edge, Saving Rolling.

The fruit gatherer illustrated takes some time to set up around a tree,



Net for Gathering Fruit.

but it is said to make possible the obtaining of fruit from the most inaccessible branches. The canvas floor of the net slopes from the tree trunk to the outer edges, so that the fruit, dropping onto it, rolls to the edges, where it is out of danger of being struck and bruised.

BLACKBERRY IS NEXT CROP

Affords Welcome Change After Apples Has Been Satisfied With Other Small Fruits.

Toward the close of summer, when the appetite has been satisfied with strawberries, raspberries, currants and gooseberries, the blackberry affords a welcome change. It fits in perfectly between the other small fruits and the early fall fruits. Whether served with cream and powdered sugar, or stewed, it is equally delicious. No farm garden should be without its clump of bushes. Any out-of-the-way corner or along the fences will serve it space and cultivation cannot be given elsewhere. Of course, the plants do best when cultivated, but they will do much better than wild plants along the fence rows. The Ward variety, which originated in New Jersey, is jet black, firm, tender, melting and without the hard core common in wild fruit. The quality is considered excellent. As the canes are strong and stocky, they easily carry heavy crops of fruit, which ships well and is excellent for the table.

Driving Bees From Grapes.

It is said that mignonette makes honey equal to the best white clover and some take advantage of this fact where bees are likely to injure the grapes. A row of mignonette is put in the ground near the grapes, and they will bloom at the same time as the grapes. The bees will neglect the grapes for the flower which they pre-

MULCHES FOR SMALL FRUIT

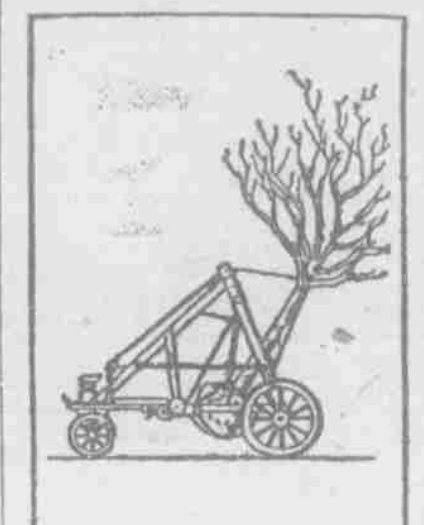
Sufficient Moisture Can Only Be Secured by Mellow Top Soil—Swamp Grass Is Excellent.

The presence of sufficient moisture to provide for the growth and development of plant and fruit can only be secured by a deep fertile soil, with a fine, mellow top soil to prevent loss of moisture. Expert growers now mulch their beds with swamp grass, straw or leaves. Grass from the salt meadows is considered the best material to use; this is put on about six inches in thickness. The grass soon packs down, keeping the soil cool and moist. Irrigation of blackberries has been found better than mulching at the New Jersey experiment station. The plots that were irrigated bore heavily, the fruit being large and of good flavor. The wild blackberry and raspberry that produces the largest and sweetest flavored fruit is nearly always found growing in a fence corner, the roots being mulched with a quantity of dead grass and leaves. The wild fox grape is found growing in the same kind of soil and under like conditions. Freshly-cut grass, weeds, coarse manure and rotted straw may be used. Give shallow cultivation, so as not to cut the roots; then spread on the mulch; the entire ground around the plants and between the rows should be covered. Gooseberries and currant bushes should be dusted every morning with air-slacked lime to prevent the sheep from eating the leaves.

APPARATUS UPROOTS A TREE

Machine Invented That Reduces Operation of Transplanting to Mere Turn of Crank.

The transplanting of trees that have acquired any sort of growth is a tedious operation when they have to be dug up, not to speak of the labor of transporting them. A Colorado man has invented a machine for this purpose which reduces the whole operation to the mere turning of a crank. A vehicle has two bars rising from its rear axle and converging at the top, where they meet a single bar from the



Tree Transplanter.

front axle. A chain is suspended from near their point of intersection and is adapted to be fastened around the base of the tree, just above the ground. The turning of a crank operates a multiple gearing, which drags on the chain and literally pulls the tree out by the root if it is not too old and too large to be removed in this way. The tree is then held suspended while the vehicle is moved to the place where it is to be replanted, the whole operation taking a very short time compared to the old method.

Severe Pruning for Tree.

It is impossible to transplant a tree without losing from one-half to two-thirds of its feeding roots, hence at this time, if at no other, the trees should receive a severe top pruning.



BLACKBERRY IS NEXT CROP

An orchard neglected for one year virtually puts it back three years. Never cut a limb from a fruit tree unless you know just why you do it. If the rabbits have gnawed only the outer bark, wrap the wound with cloth.

It is a sad mistake to neglect an orchard when it is not producing a crop of fruit.

An experienced pruner notes the direction of growing branches and prunes accordingly.

There are no conflicting opinions among growers on the effects of cover crops on peach trees.

The best place in the world for the poultry yard is the orchard—any kind of an orchard where insects abound.

Always buy clean, straight trees with short stems, and even then do not be afraid to prune before planting.

More depends upon the right choice of kinds of fruit to set than upon any other factor as to profit in the orchard.

For picking apples a half bushel basket, lined with burlap and provided with a strong hook, will prove better than a bag.

Three years of spraying, pruning and cultivation will bring an orchard that you are ashamed of into a condition that you will be proud of.

While the orchard is coming into bearing try vegetable growing as a side line. This makes one of the surest and best sources of income.

Hood's Sarsaparilla

Acts directly and peculiarly on the blood; purifies, enriches and revitalizes it, and in this way builds up the whole system. Take it. Get it today.

In usual liquid form or in chocolate coated tablets called Sarsatebs.

Constipation Vanishes Forever

Prompt Relief—Permanent Cure
CARTER'S LITTLE LIVER PILLS never fail. Purely vegetable—act surely but gently on the liver. Stop after dinner distress—cure indigestion, improve the complexion, brighten the eyes. **SMALL PILL, SMALL DOSE, SMALL PRICE.** Genuine must bear Signature *Wm. Carter*

Varying Prices of Lobsters.

Lovers of lobster ought to get a lot of comfort out of a recent paragraph in the famous old Kennebec Journal, which says that the crustaceans are "dirt cheap." However, the Journal adds, "they are not as low in price as in the old days, when they sold six for 25 cents, but the price has fallen to 16 cents a pound, which is decidedly different from the figures that were being quoted early in the spring. Then they were being bought alive for 50 cents a pound from the fishermen, and the price in Boston and New York soared to 80 cents a pound, and, in some cases, beyond."

Might Help.

Mrs. Willis (at the Ladies' Aid society)—Now, what can you do for the poor boys at the front?
Mrs. Gillis—I was reading today where the soldiers are always making sorties. Now, why can't we get the recipes for those things and make them ourselves and send them to the boys?—Puck.

IN AGONY WITH ITCHING

"About four years ago I broke out with sores on my arms like boils. After two months they were all over my body, some coming, and some going away. In about six months the boils quit, but my arms, neck and body broke out with an itching, burning rash. It would burn and itch, and come out in pimples like grains of wheat. I was in a terrible condition; I could not sleep or rest. Parts of my flesh were raw, and I could scarcely bear my clothes on. I could not lie in bed in any position and rest. In about a year the sores extended down to my feet. Then I suffered agony with the burning, itching sores. I could hardly walk and for a long time I could not put on socks.

"All this time I was trying everything I could hear of, and had the skill of three doctors. They said it was eczema. I got no benefit from all this. I was nearly worn out, and had given up in despair of ever being cured when I was advised by a friend to try Cuticura Remedies. I purchased Cuticura Soap, Ointment, and Resolvent, and used exactly as directed. I used the Cuticura Remedies constantly for four months, and nothing else, and was perfectly cured. It is now a year, and I have not had the least bit since. I am ready to praise the Cuticura Remedies at any time. (Signed) E. L. Cate, Exile, Ky., Nov. 10, 1910.

Although Cuticura Soap and Ointment are sold by druggists and dealers everywhere, a sample of each, with 22-page book, will be mailed free on application to "Cuticura," Dept. 21, K. Boston.

Too Dangerous.

In the struggling days at Tuskegee, Booker T. Washington found that he would have to use an old chicken house for a schoolroom.

"Uncle," he said to an old colored man, "I want you to come down at nine o'clock tomorrow morning and help me clean out a henhouse."

"Law now, Mr. Washington," the old man expostulated, "you-all don't want to begin cleanin' out no henhouse 'roun' yere in de day time."

Success Magazine.

Personal.

Garrulous Barber—As the sayin' goes, "There's always room at the top."

Sensitive Customer—How dare you refer to my baldness!

The man who thinks he knows it all never gets much of a chance to tell it.

Mrs. Winslow's Soothing Syrup for Children teething, softens the gums, reduces inflammation, allays pain, cures wind colic, etc. a bottle.

Every time a child shows you its toy bank it's your ante.

Lewis' Single Binder, straight 50—many smokers prefer them to the cigars.

Girl chums are almost as thick as a fat man.



Jiggs—The corset trust isn't economical.
Jiggs—How do you know?
Jiggs—Why, everything it makes goes to waist.

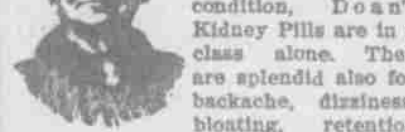
Mamma's Angel Gets Busy.
Fond Mother—And has mamma's angel been a peacemaker today?
Mamma's Angel—Yes, ma. Tommy Tuff was a-lickin' William Whippers, an' when I told 'im to stop he wouldn't, an' I jumped in an' licked the stuffin' out o' both o' 'em.

TRAINED NURSE SPEAKS.

Has Found Doan's Kidney Pills Invaluable.

Mrs. Emeline Green, nurse, Osage, Iowa, says: "I have nursed many cases of terrible kidney disorders and have found Doan's Kidney Pills the best remedy for such troubles. In confinement when it is so necessary to have the kidneys in good condition, Doan's Kidney Pills are in a class alone. They are splendid also for backache, dizziness, bloating, retention of urine, and other kidney and bladder troubles."

Remember the name—Doan's.
For sale by druggists and general storekeepers everywhere. Price 50c. Foster-McIlburn Co., Buffalo, N. Y.



Liked It Dull.
"How do you find things, my man?"
"Very dull, I'm glad to say."
"Glad? Why?"
"I'm a knife grinder."

The Supreme Test.

Brownly—Is Jones contented?
Townly—I should say so; I never heard him complain of the way his child is taught in school—Harper's Bazar.

A good word is an easy obligation; but not to speak it requires only our silence, which costs us nothing.—Curtis York.

Lewis' Single Binder, extra quality to bacco, costs more than other 50 cigars.

A woman has about as much use for a man who doesn't admire her as a fatted calf has for a prodigal son.

MILLIONS OF FAMILIES are using SYRUP OF FIGS and ELIXIR OF SENNA

FOR COLDS AND HEADACHES, INDIGESTION AND SOUR STOMACH, GAS AND FERMENTATION, CONSTIPATION AND BILIOUSNESS, WITH MOST SATISFACTORY RESULTS.

NOTE THE NAME
CALIFORNIA FIG SYRUP CO.
IN THE CIRCLE
ON EVERY PACKAGE OF THE GENUINE

THE WONDERFUL POPULARITY OF THE GENUINE SYRUP OF FIGS AND ELIXIR OF SENNA HAS LED UNSCRUPULOUS MANUFACTURERS TO OFFER IMITATIONS, IN ORDER TO MAKE A LARGER PROFIT AT THE EXPENSE OF THEIR CUSTOMERS. IF A DEALER ASKS WHICH SIZE YOU WISH, OR WHAT MAKE YOU WISH, WHEN YOU ASK FOR SYRUP OF FIGS AND ELIXIR OF SENNA, HE IS PREPARING TO DECEIVE YOU. TELL HIM THAT YOU WISH THE GENUINE, MANUFACTURED BY THE CALIFORNIA FIG SYRUP CO. ALL RELIABLE DRUGGISTS KNOW THAT THERE IS BUT ONE GENUINE AND THAT IT IS MANUFACTURED BY THE CALIFORNIA FIG SYRUP CO. ONLY

NOTE THE NAME
CALIFORNIA FIG SYRUP CO.
PRINTED STRAIGHT ACROSS, NEAR THE BOTTOM, AND IN THE CIRCLE, NEAR THE TOP OF EVERY PACKAGE OF THE GENUINE. ONE SIZE ONLY. FOR SALE BY ALL LEADING DRUGGISTS. REGULAR PRICE 50c PER BOTTLE.

SYRUP OF FIGS AND ELIXIR OF SENNA IS ESPECIALLY ADAPTED TO THE NEEDS OF LADIES AND CHILDREN AS IT IS MILD AND PLEASANT GENTLE AND EFFECTIVE, AND ABSOLUTELY FREE FROM OBJECTIONABLE INGREDIENTS. IT IS EQUALLY BENEFICIAL FOR WOMEN AND FOR MEN, YOUNG AND OLD. FOR SALE BY ALL LEADING DRUGGISTS. ALWAYS BUY THE GENUINE.

CALIFORNIA FIG SYRUP Co.

Father Loses an Excuse.

"Don't you regret seeing your children growing up to face the responsibilities of the world?"

"Yes," Mr. Bilgins said; "it's a little disappointing to find my boy so big that he is no longer an excuse for my going to the circus."

For Your Enjoyment.
Here's an individual among drinks—a beverage that fairly sates with delicious goodness and refreshing wholesomeness.

Coca-Cola

has more to it than mere refreshment or sweetening—it's vigorous, full of life. You'll enjoy it from the first sip to the last drop and afterwards.

DELICIOUS — REFRESHING
THIRST-QUENCHING

THE COCA-COLA CO., Atlanta, Ga.

Whenever you see an Arrow drink of Coca-Cola

THE
German Savings Institution
OF ST. LOUIS, MISSOURI
Established 1853

Capital - - \$ 500,000.00
Surplus - - - 1,000,000.00
Undivided Profits 400,000.00
Deposits - - 10,000,000.00

We invite the accounts of Individuals, Firms and Corporations, and pay interest on deposits. 2% on daily balances over \$500. 3% on six months time deposits. 4% on twelve months time deposits.

"Oh, you can never fool my Ma, I know just what she'll say, That that's as much like Faultless Starch As night-time is like day."

FAULTLESS STARCH

FIGS with Spun Yarn Packages—An Interesting Book for Children

Pandemonium.
"Nature knew what she was doing when she deprived fishes of a voice."
"How do you make that out?"
"What if a fish had to cackle over every egg it laid?"

Easy.
Knicker—How can you identify your umbrella?
Bocker—By the man I took it from.

Stop the Pain.
The hurt of a burn or a cut stops when Cole's Carbolic is applied. It heals quickly and prevents scars. 25c and 50c by druggists. For free sample write to J. W. Cole & Co., Black River Falls, Wis.

A good name being better than riches, it behooves us to take better care of our reputations.

50,000 Men Wanted in Western Canada

200 Million Bushels Wheat to be Harvested
Harvest Help in Great Demand

Reports from the Provinces of Manitoba, Saskatchewan and Alberta (Western Canada) indicate one of the best crops ever raised on the continent. To harvest this crop will require at least 50,000 harvesters.

Low Rates Will be Given on All Canadian Roads
Excursions are run daily and full particulars will be given on application to the following authorized Canadian Government Agent. The rates are made to apply to all who wish to take advantage of them for the purpose of inspecting the grain fields of Western Canada, and the wonderful opportunities there offered for those who wish to invest, and also those who wish to take up actual farm life. Apply at once to

W. H. Rogers, 125 W. Ninth St., Kansas City, Mo.
C. J. Slaughter, 422 Bankers' L. & T. Building, Chicago

THE SUDDESS-CALE GROCER CO., Dist.
St. Louis, Mo., Cairo and Quincy, Ill.

ABSORBINE
will relieve in a moment all the pains of Rheumatism, Neuralgia, Headache, Toothache, Cuts, Burns, Cold, Croup, Hoarseness, Stomachache, and all other pains. It is a powerful antiseptic and disinfectant. It is a powerful antiseptic and disinfectant. It is a powerful antiseptic and disinfectant.

W. F. YOUNG, P. O. Box 310 Temple St., Springfield, Mass.

PATENTS
Wm. H. Coleman, Patent Attorney, St. Louis, Mo.
If afflicted with Eye Suffering, write to Thompson's Eye Water

W. N. U., ST. LOUIS, NO. 29-1911.

GOLT DISTEMPER

Can be handled very easily. The color is correct, and all colors in the house can be made by using GOLT'S LIQUID DISTEMPER. Give one coat of GOLT'S LIQUID DISTEMPER to the wall and you have a beautiful finish. It is a powerful antiseptic and disinfectant. It is a powerful antiseptic and disinfectant. It is a powerful antiseptic and disinfectant.

SPONH MEDICAL CO., Chicago and Indianapolis, Graham, Ind., U. S. A.

Death Lurks In A Weak Heart

If Yours is fluttering or weak, use "RENOVINE." Made by Van Vleet-Mansfield Drug Co., Memphis, Tenn. Price \$1.00